

6441145

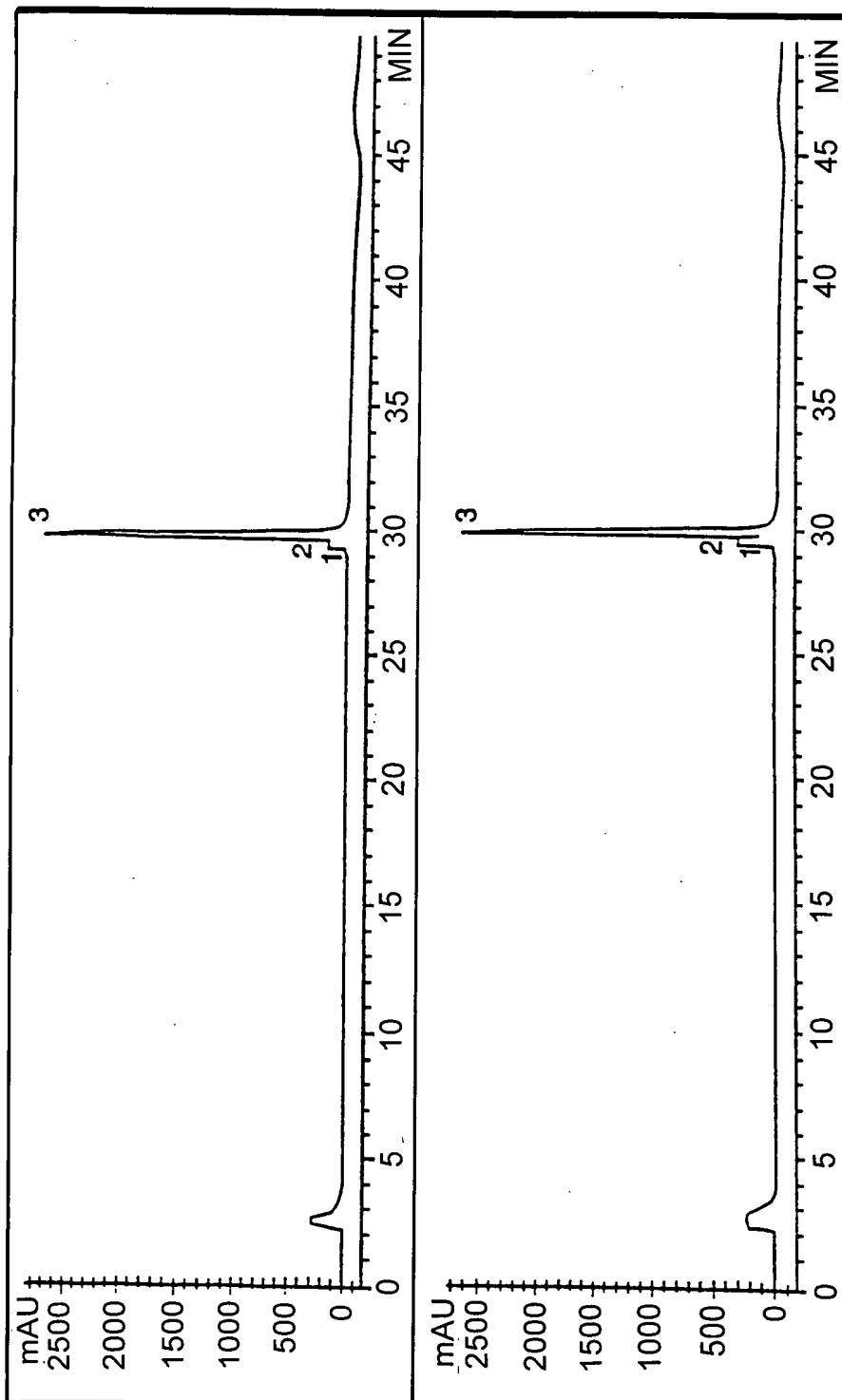


FIG. 1

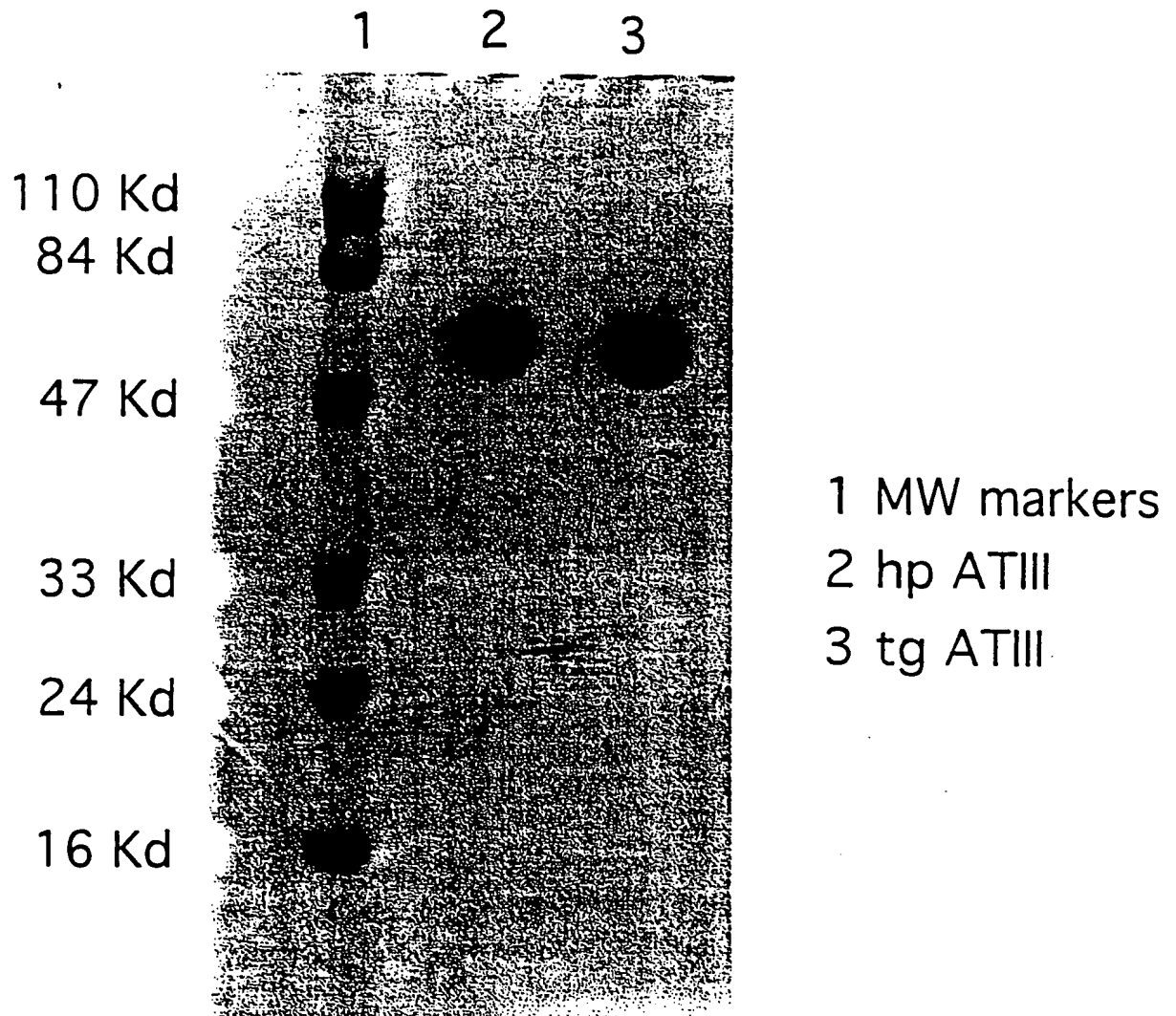


FIG. 2

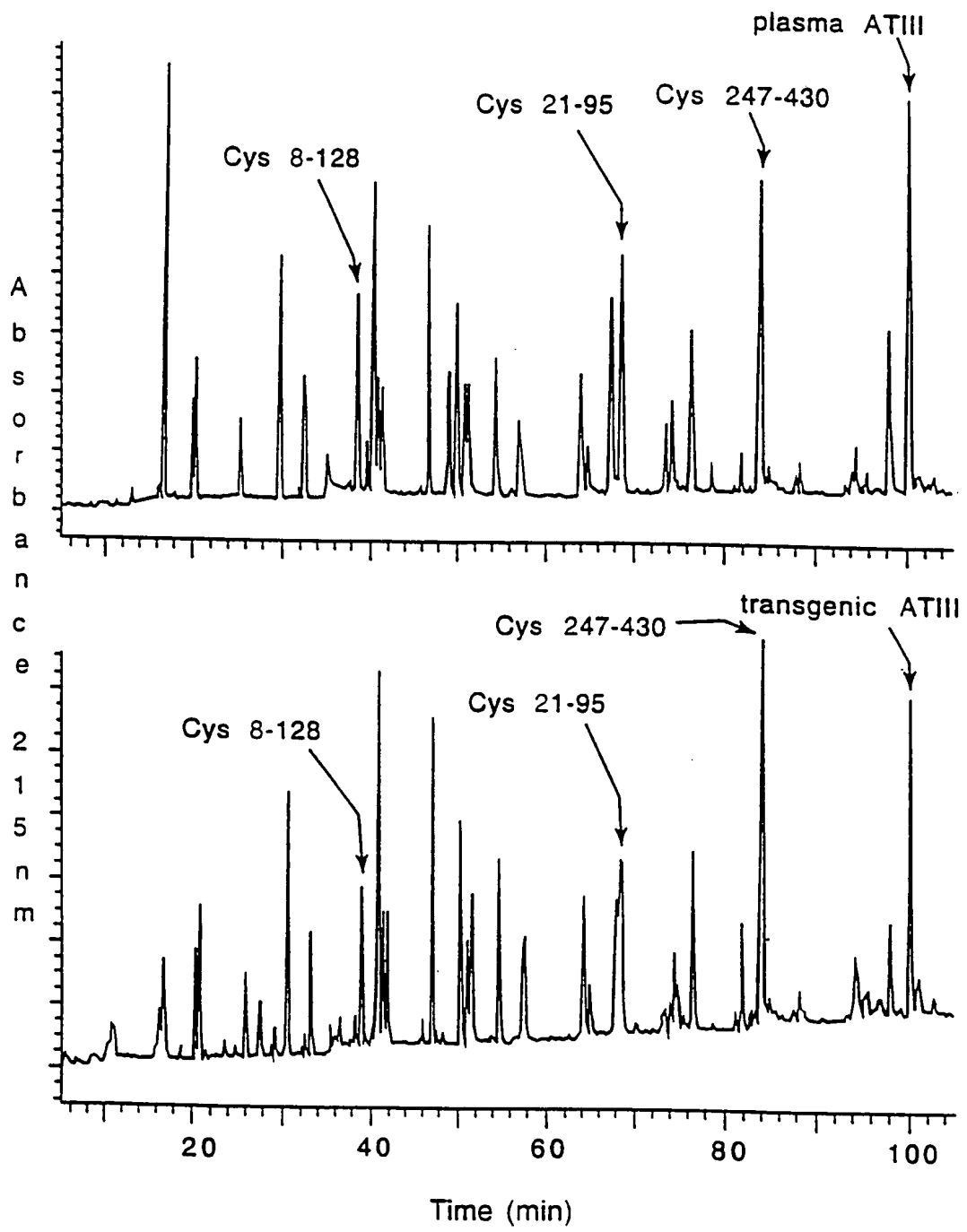


FIG. 3

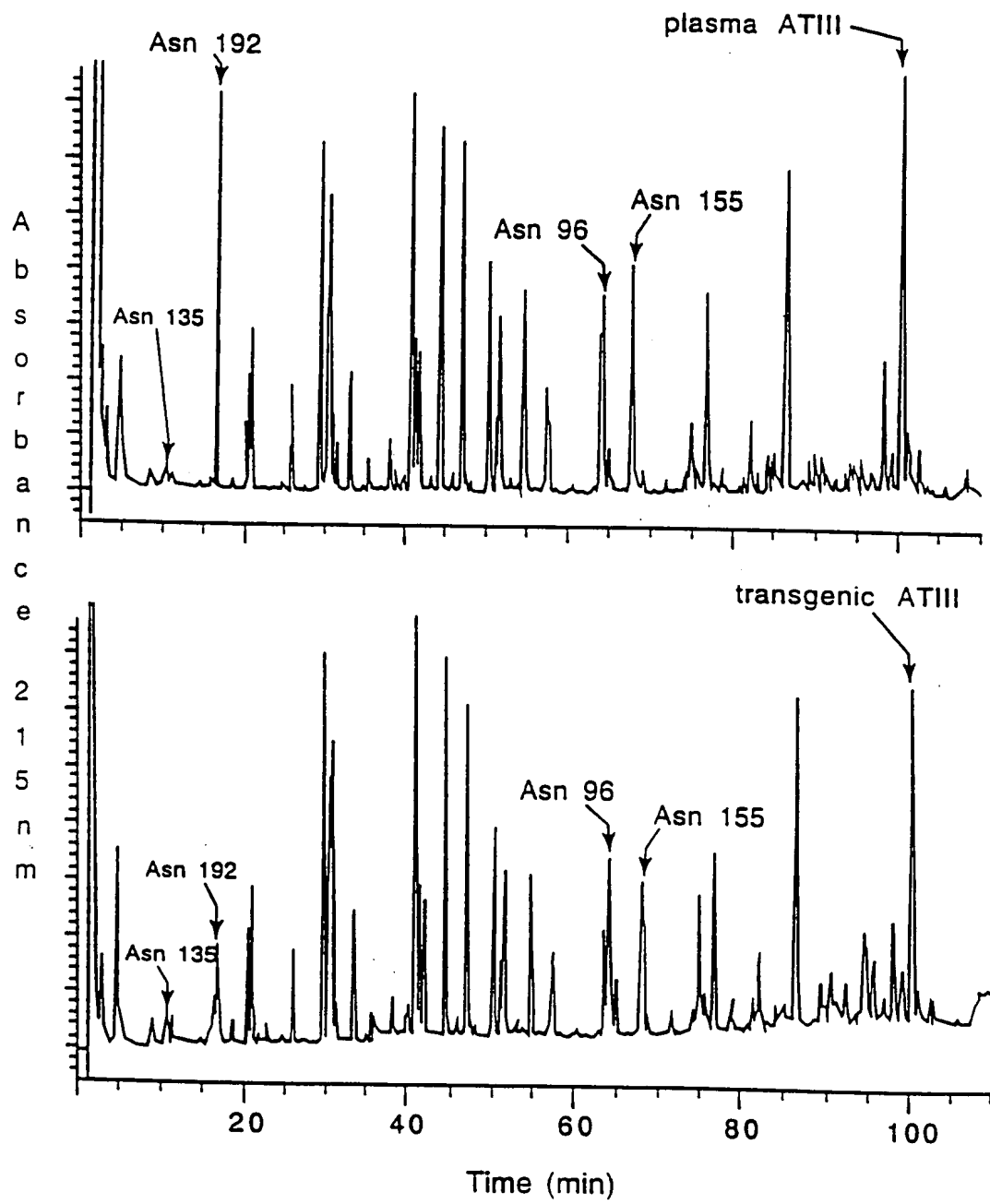


FIG. 4

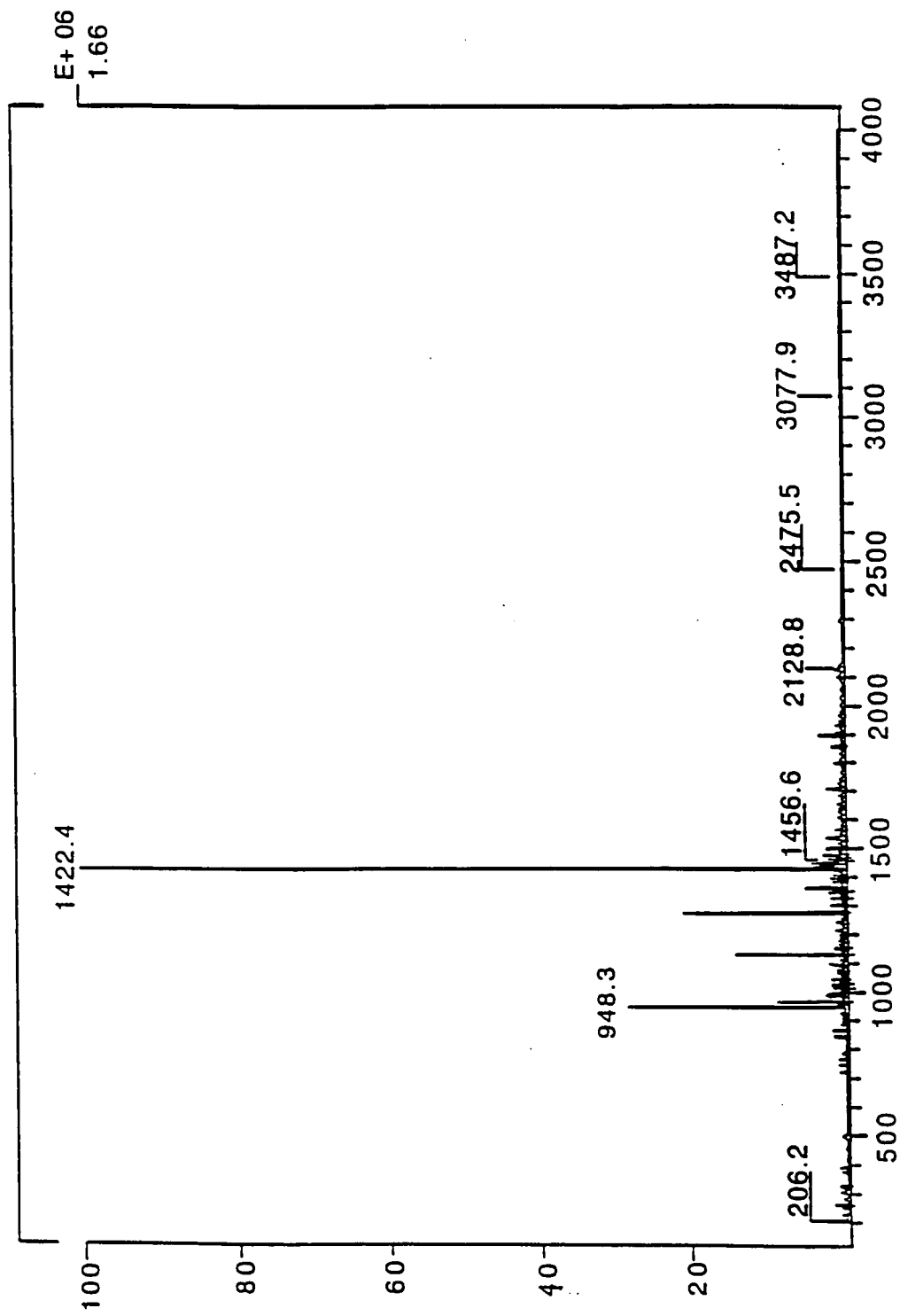


FIG. 5

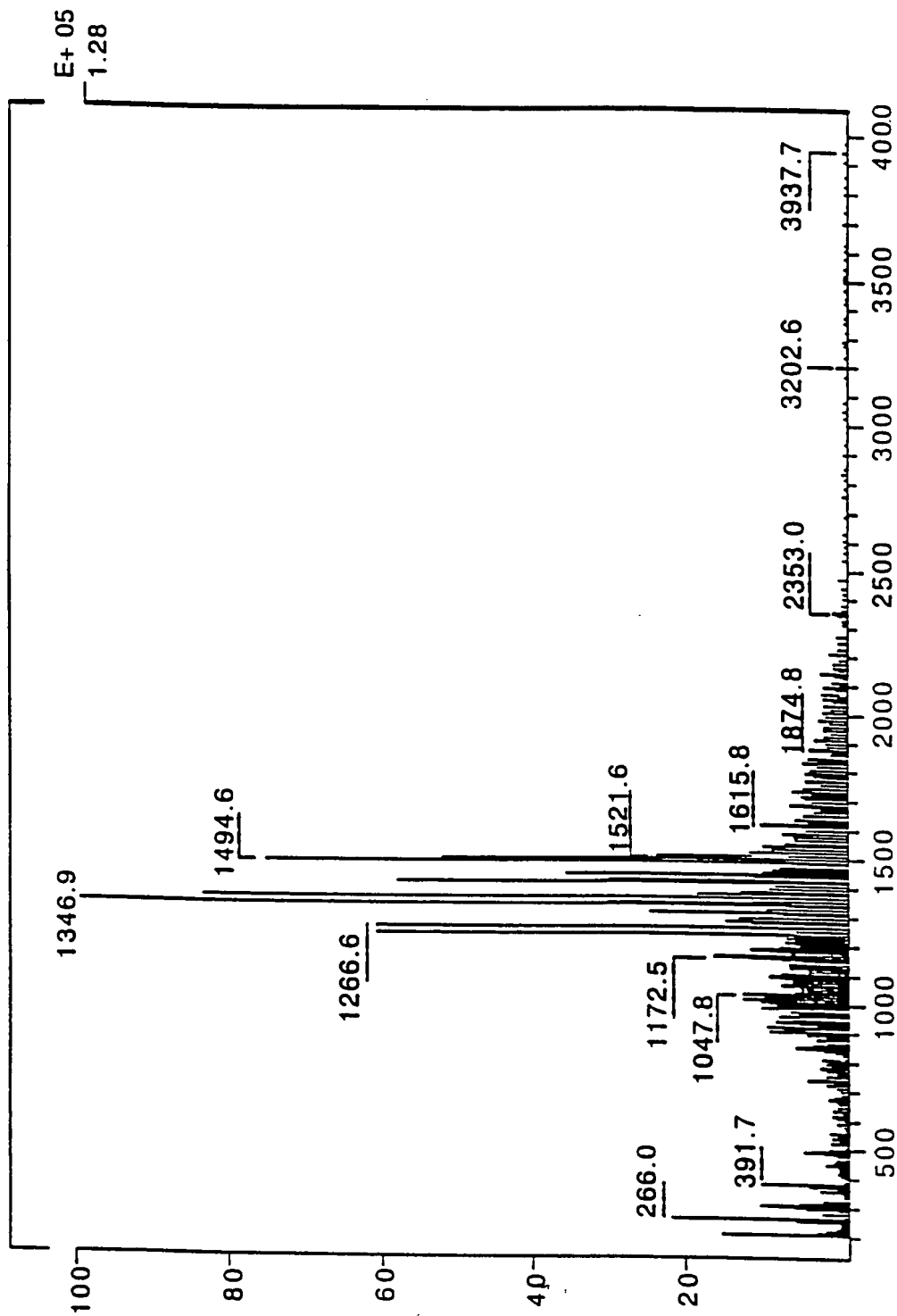


FIG. 6

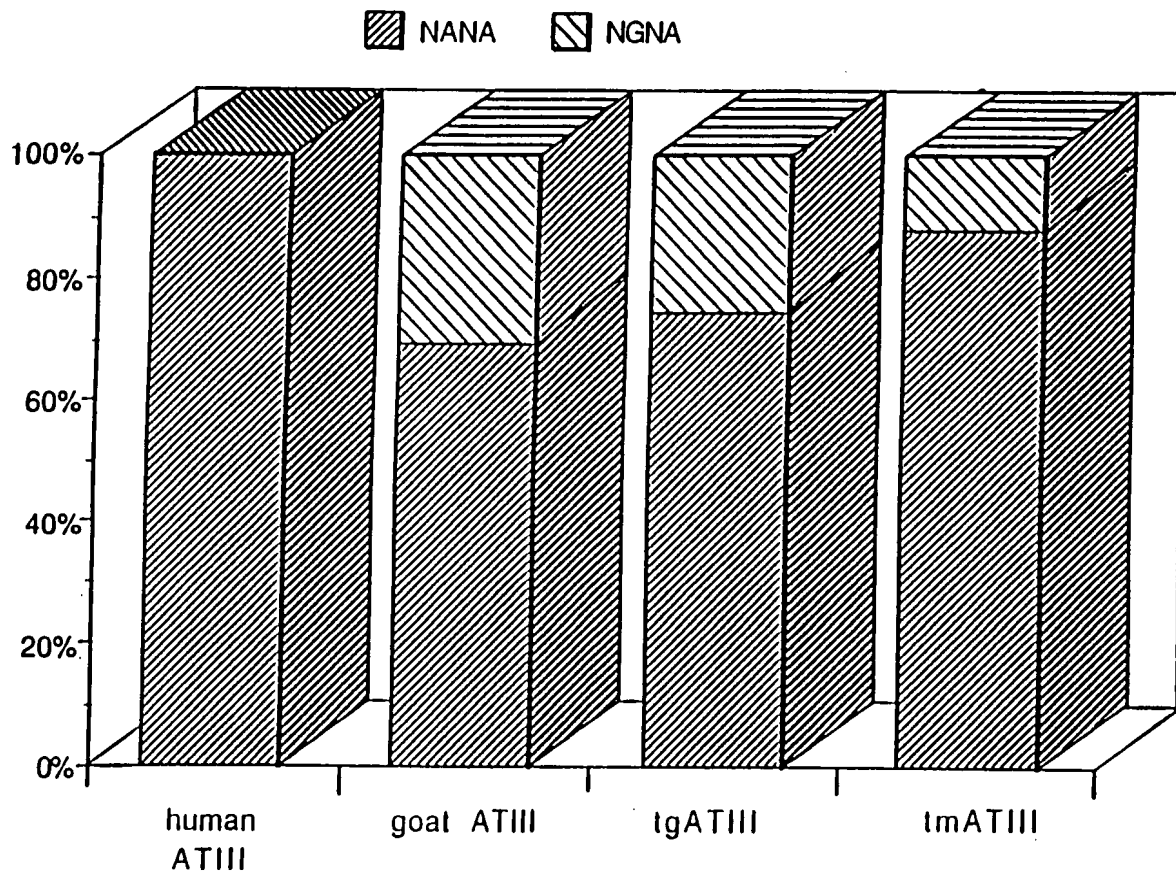


FIG. 7

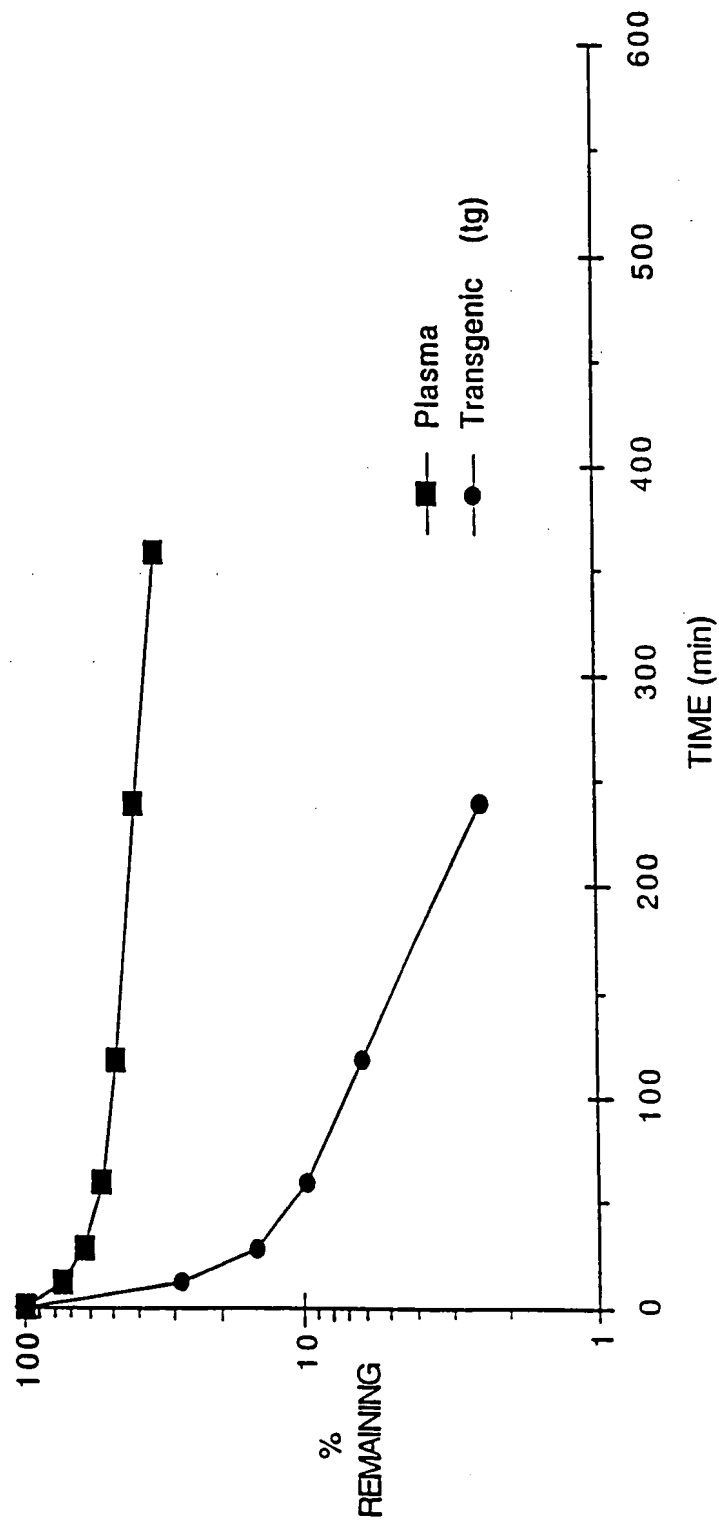


FIG. 8

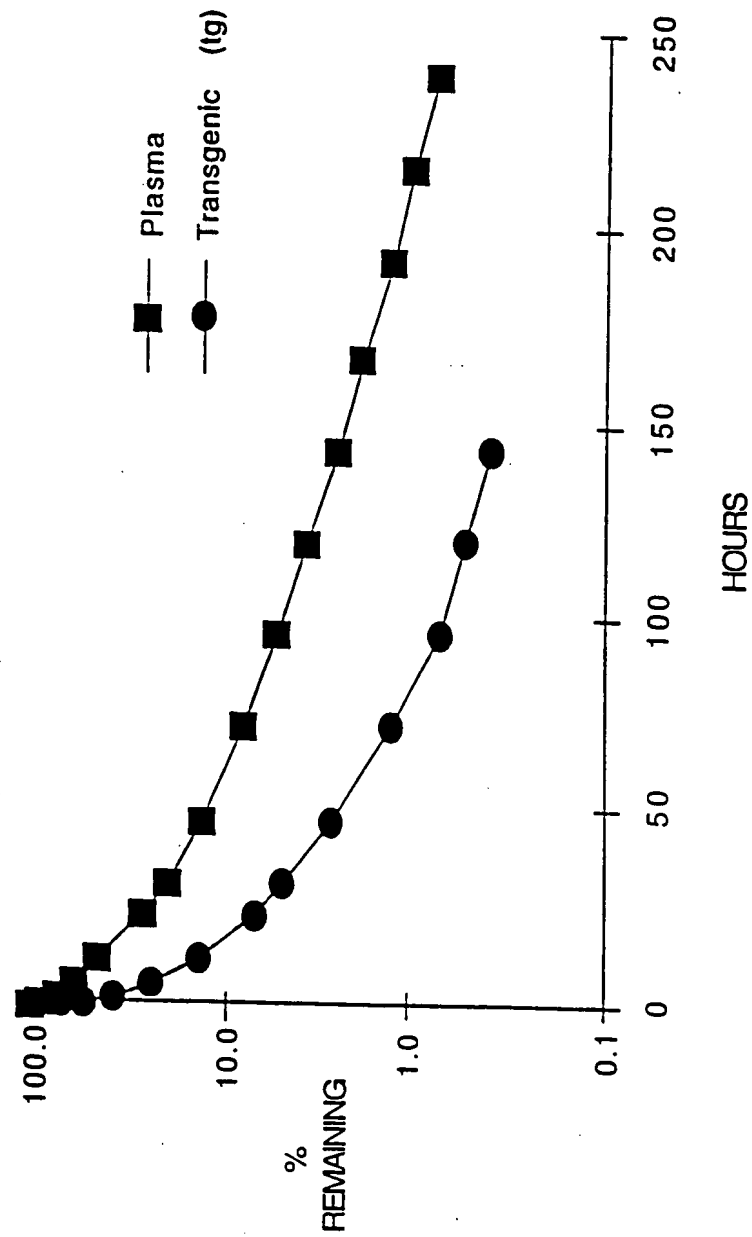


FIG. 9

Sequence Listing

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agaatttaccccaagatctcaaagaccactgaataactaaagagacctcattgtggttac      -263
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acaatttcatttcctttatcagattgtgagttattcctgttaaaatgctcccagaattt      -143
ctggggacagaaaaataggaagaattcatttcctaatacatgcagatttctaggaattcaa      -83
atccactgttgggttttatttcaaaccacaaaattagcatgccattaaatactatatataa      -23
acagccactaaatcagatcattATCCATTGAGCTTCTCCTTCACTTCTTCTCCTCTACTT      37
TGGAAAAAAGGtaagaatctcagatataatttcagtgtatctgctactcatctttatttt      97
ggactaggttaaaaatgtagaaagaacataattgcttaaaaatagatcttaaaaaataagggt      157
gtttaagataagggtttacactattttcagcagatatgttaaaaaatagaagtgactataa      217
agacttgataaaaaattataggtgactgcaa.....tttttgccat      277
gagggttgcaggatcttgggtccctgaccagggatcaaacctgcactcccctggaagcat      337
ggagtccttgacatttgtattatacactatcttgggtcccttttaagggaagtaatttt      397
acttaataaagaaaatagattgacaagtaatacgtgtttcctcatcttcccattcacag      457
GAATCGAGAGCCATGAAGGTCCTCATCCTTGCCTGTCTGGTGGCTCTGGCCATTGCAAGA      517
****      M K V L I L A C L V A L A I A R      16
GAGGtaaatacagaaaaaatgttgaaataatagactagtactgtctgcctatgtgtagaa      577
E      17
atcacattaccaacatcataaatgtataaataatgcacaatctcagattttattttttaat      637
gctaagaaagtcattttatgttcatccactatctcaacagtatcctataggaccacaactc      697
tgggtcaagtgttttctatagtattgtaccatctgtaccatcaattcctaaagaaaaagg      757
aaaagaaaccaataagcaacagaccaacaagaaggaaacacagacaagaacaaaaaatgag      817
taatattgtacaaatacaattgcacg.....ctgcaggaaactaaa      877
gtgttttttttctctctcttttttagCAGGAAGAACTCAATGTAGTCGGTGAGgtaagat      937
Q E E L N V V G E      26
atttttatacaaagaaaaaaattaatttaactgtaaaatagtaaacagactctgatgatct      997
agcagaaaactcagctaattgtcaatttttatttttcttttatagACTGTGGAAAGCCTT      1057
T V E S L      31
TCAAGCAGTGAGgtaagataatgttcattcagaggcaatttcccagatttagagcaataa      1117
S S S E      35
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.....gacaaatatgaatttttcttttaaagctaaacctgattttattttt      1237
atttttccaaagGAATCTATTACACACATCAATAAGgtaaaaccttcatatttaaagta      1297
E S I T H I N K      43
catttttaaaaatttcatgtttgattttttataaacagcatttctttatgtgtgatttttt      1357
tttttaccagAAAATTGAGAAGTTTCAAAGTGAGGAACAACAGCAAACAGAGgtaatttg      1417
K I E K F Q S E E Q Q Q T E      57
ttcactatgagtatatatttgagaagtattatgaazcataacacataaaaagatttataata      1477
attatgttcagtcctaagaatggtaatatagtgctcagtgtaagaaatgaaaactttgaca      1537

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FIG. 10A

aaatgaaaatatttttaaagatagaaacacatttttaaacacataatcaaatttcagagta	1597
tagaataaatacccaagaataactactggtatattcattttactaatggtatacctggct	1657
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ttgggttttccttctttccagGATGAACTCCAGGATAAAATCCACCCCTTGCCCAGGCAC	1957
D E L Q D K I H P F A Q A Q	71
AGTCTCTAGTCTATCCCTTCACTGGGCCCATCCCTAACAGCCTCCCACAAACATCCTGC	2017
S L V Y P F T G P I P N S L P Q N I L P	91
CTCTTACTCAAACCCCTGTGGTGGTGCCGCTTTCCCTTCAGCCTGAAATAATGGGAGTCC	2077
L T Q T P V V V P P F L Q P E I M G V P	111
CCAAAGTGAAGGAGACTATGGTTCCTAAGCACAAAGAAATGCCCTTCCCTAAATATCCAG	2137
K V K' E T M V P K H K E M P F P K Y P' V	131
TTGAGCCCTTTACTGAAAGCCAGAGCCTGACTCTCACTGATGTTGAAAAGCTGCACCTTC	2197
E P F T E S Q S L T L T D V E K L H L P	151
CTCTGCCCTCTGGTCCAGTCTTGGATGCACCAGCCTCCCCAGCCTCTTTCTCCAACCGTCA	2257
L P L V Q S W M H Q P P Q P L S P T V M	171
TGTTTCCCTCCTCAGTCCGTGCTGTCCCTTTCTCAGCCCAAAGTTCTGCCTGTTCCCCAGA	2317
F P P Q S V L S L S Q P K V L P V P Q K	191
AAGCAGTGCCCCAGAGAGATATGCCCATCCAGGCCTTTCTGCTGTACCAGGAGCCTGTAC	2377
A V P Q R D M P I Q A F L L Y Q E P V L	211
TTGGTCTGTCCGGGGACCCTTCCCTATTCTTgtaagtctaaatttactaactgtgctgt	2437
G P V R G P F P I L	221
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...aaaaacaaaataactgaagatgcttattttcaatactcaggggaaaattttcttgccaaa	2677
aaggcaagaattgtataattcattcacttattttatttttttaatttttaagGTCTAAG	2737
V *	222
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ttaaaaatgaaattggtctctttattgttaacttaaatattatctttgatgttaaaaatag	3277
ctgtggaaaa	3287

FIG. 10B